DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET NO.	TOTAL SHEETS

Theresa Gabriel
REGISTERED ELECTRICAL ENGINEER

REGISTERED PROFESSIONAL ENGINEER — Theresa A. Gabriel — No. E15129 — Exp. 6-30-04 — ELECTRICAL — STATE OF CALIFORNIA

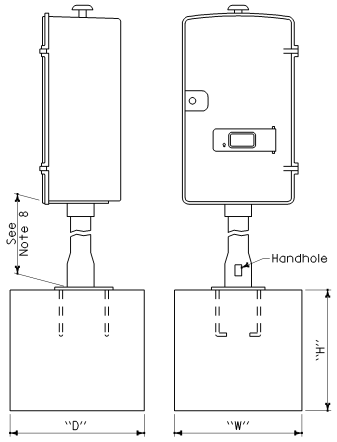
July 1, 2002
PLANS APPROVAL DATE

The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.

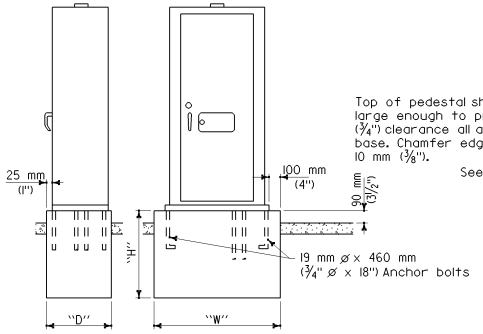
Caltrans now has a web site! To get to the web site, go to: http://www.dot.ca.gov

NOTES - CONTROLLER CABINETS

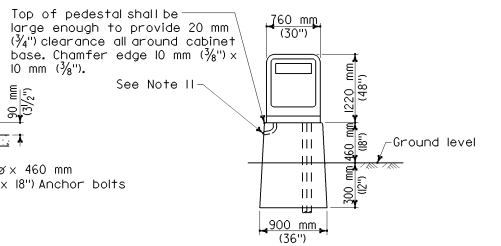
1. All cabinet dimensions are nominal.
2. between face of curb and any portion of cabinet. Foundations shall be located to provide 600 mm (24") minimum clearance
3. Type G, M, 336, P, R and S cabinets shall be installed with the back toward the nearest lane of traffic.
4. The controller cabinet grounding bus shall be bonded to conduit or equipment grounding conductor.
5. In unpaved areas, a raised Portland cement concrete pad shall be constructed in front of each controller cabinet. Pad shall be 900 mm x 900 mm x 100 mm (36" x 36" x 4") for Type G cabinets and shall be 900 mm x 100 mm (36" x 4") thick x width of foundation for Type M, 336, P, R and S cabinets.
6. In unpaved areas, the top of foundation for Type G, P, R and S cabinets shall be 150 mm (6") above surrounding grade. Top of foundation for Type M or 336 cabinet shall be 460 mm (18") above surrounding grade.
7. In sidewalks and other paved areas, top of foundation for Type G cabinet shall be level with surrounding grade. Top of foundation for Type P, R and S cabinets shall be 90 mm (3½") above surrounding grade.
8. The steel pedestal, base plate, bolt circle and foundation for Type G cabinet shall be the same as that shown for a Type I-C Standard. Pedestal shall be 640 mm - 760 mm (25" - 30") in length. Anchor bolts shall be 19 mm (¾") ø x 460 mm (18") with a 50 mm (2") 90° bend. Four bolts required per cabinet.
9. Type G cabinet shall be provided with a slipfitter to permit mounting on 114 mm (4½") outside diameter pedestal. Slipfitter shall be bolted to bottom of the cabinet.
10. Type G cabinet shall be provided with 8 screened, raintight holes, 13 mm (½") diameter or larger, in the bottom of the cabinet.
11. A 25 mm (1") drain shall be provided through the foundation of a Type M or 336 cabinet. Drain pipe shall be screened.
12. See Table for foundation dimensions; "D"-Depth, "H"-Height, "W"-Width.
13. All cabinet shelves shall be adjustable for vertical spacing and shall be removable. Type M, P, R and S cabinets shall be provided with a minimum of two shelves.
14. Anchor bolts for Type M, 336, P, R and S cabinets shall be 19 mm ø x 460 mm (¾" ø x 18") with a 50 mm (2") - 90° bend. Four bolts required per cabinet.
15. An approved mastic or caulking compound shall be placed on the foundation prior to placing the cabinet to seal all openings between bottom of cabinet and foundation.
16. Controller units, plug-mounted equipment, shelf-mounted equipment and wall-mounted equipment shall be located to permit its safe and easy removal or replacement without removing any other piece of equipment.
17. Cabinet fan may be installed at an alternate location near the top of the cabinet when approved by the Engineer.
18. Where telephone interconnect is required, a minimum of 130 mm (5") clear vertical space shall be provided inside the cabinet for the equipment.
19. Telephone interconnect conductors shall be enclosed in a 21 (¾") C or larger conduit through the foundation. Type 4 metal conduit shall be used to separate telephone and power conductors in cabinets and pedestals.
20. For 332, 334 and 336 cabinet details, see "Traffic signal controller equipment specifications".



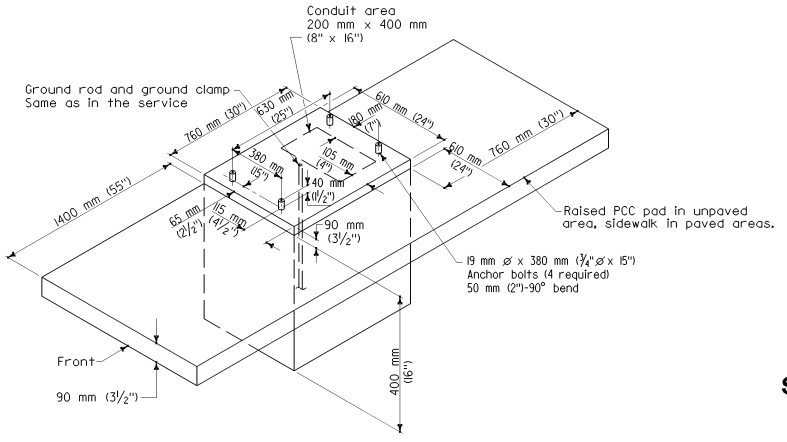
PCC FOUNDATION FOR TYPE G CABINET



PCC FOUNDATION FOR TYPE P, R AND S CABINETS



PCC PEDESTAL FOUNDATION FOR TYPE M OR MODEL 336 (TYPE 2 HOUSING) CABINET



FOUNDATION DETAILS
For Model 332 and 334 cabinets (Type 1 housing)

CABINET TYPE	FOUNDATION H	W	D
G	900 mm (36")	600 mm (24")	600 mm (24")
M 336	760 mm (30")	900 mm (36")	560 mm (22")
P	460 mm (18")	1270 mm (50")	760 mm (30")
R	460 mm (18")	1270 mm (50")	760 mm (30")
S	460 mm (18")	1270 mm (50")	760 mm (30")

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

SIGNAL, LIGHTING AND ELECTRICAL SYSTEMS CONTROLLER CABINET DETAILS

These "Standard Plans for Construction of Local Streets and Roads" contain units in two systems of measurement: International System of Units (SI or "metric") and United States Standard Measures shown in the parentheses ( ). The measurements expressed in the two systems are not necessarily equal or interchangeable. See the "Foreword" at the beginning of this publication.

NO SCALE

ES-3C